

Principles of Total Hip and Knee Arthroplasty Course

Unlock the path to mastery in joint arthroplasty!

This course teaches fundamental principles and current concepts in the treatment of patients with a need for primary arthroplasty in the hip and knee. It is the initial step along the path of lifelong learning in the area of joint arthroplasty.

Course highlights

Learn the essential principles and cutting-edge techniques of primary arthroplasty for the hip and knee in this modular and highly interactive course. From evidence-based lectures and small group case discussions to hands-on practical exercises, every aspect is meticulously crafted to empower participants with decision-making skills and surgical management expertise. Exchange your experience with expert faculty and peers.

Who is this course for?

This course is tailored for newly certified orthopedic surgeons and advanced orthopedic surgical trainees.

What you will learn

At the end of this course, participants will be able to:

- Identify patient's reconstructive surgery needs
- Adopt a patient-centered approach
- Anticipate, recognize, and stratify potential complications
- Describe and discuss safe and effective procedures for primary arthroplasty
- Discuss the management of early and late problems or complications
- Communicate and facilitate a multidisciplinary team-based approach
- Apply best practice to optimize and document patient outcomes

Course modules

Perioperative Management of Total Hip and Knee Arthroplasty as well as performing Total Hip Arthroplasty (THA) and Total Knee Arthroplasty (TKA).

Application is made to the UEMS-EACCME® in Brussels for European CME credits (ECMEC).

Small group discussions

- Assessment and decision making for THA/TKA
- THA—surgical approaches, preventing dislocation, and fixation
- THA—intraoperative challenges and complications
- How to do a TKR—valgus, varus, kinematic alignment
- TKA—intraoperative challenges and complications

Practical exercises

- Optimizing the patient journey
- Preventing infection in joint replacement
- Key steps in planning THA
- Overview of surgical approaches for THA
- Cemented fixation
- Cementless fixation of the cup and the stems for THA
- Bearing choice in THA
- Intraoperative challenges and complications
- Preventing dislocation in THA
- Key steps in TKA and overview of surgical approaches for TKA
- Limb alignment and kinematics
- The role of the PCL in TKA
- Bone cuts in TKA
- Balancing the varus knee and fixed flexion contracture
- Balancing the valgus knee
- Patellofemoral resurfacing and tracking
- Fixation options in knee replacement

Skills lab

- Templating a THA
- Reaming the acetabulum and inserting a cup
- Preparing the femur and inserting a stem
- Safe zones for screw insertion
- Meet the Experts
- Planning a TKA
- Alignment for a tibial cut
- Performing a tibial cut
- Cementing



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